

ABSTRACT OF THE DISCLOSURE

Methods that enable real-time communication and collaboration in a peer-to-peer (P2P) network are provided. More specifically, methods for the creation and access of an underlying graph and/or group structure to pass collaboration/real-time communication data and other functions such as the retrieval of node/member and graph/group information, the addition, modification, deletion and management of records (data), the direct communication between graph/group nodes/members, the registering for event notifications, and other functions are used to pass real-time communication/collaboration data between nodes in a graph or members of a group.